

Year
group

Somerville Scientists Coverage



1

Materials

Charles Macintosh
(1766-1843)



Scottish chemist and
Inventor of
waterproof fabric.

The mackintosh
raincoat is named
after him.

Plants

**Wangari
Maathai**
(1940-2011)



Wangari Maathai was a
Kenyan environmentalist who
began a movement to plant
trees and re-forest her
country.

She was the first African
woman to win a Nobel Peace
Prize.

2

Humans

Dr Ernest Madu
(born 1960)



Dr Ernest Madu is a
cardiologist. His work
focuses on providing
affordable healthcare in
low-resource nations.

Materials

**John Loudon
McAdam**
(1756-1836)



John Loudon McAdam was a
Scottish engineer who
modernised the way we
build roads.

He was the inventor of
tarmacadam road surfacing –
commonly called tarmac.

Plants

**David
Douglas**
(1799-1834)



David Douglas was a Scottish
botanist, best known as the
namesake of the Douglas-fir.
He worked as a gardener, and
explored the Scottish
Highlands, North America, and
Hawaii.

3

Rocks

Mary Anning
(1799-1847)



Mary Anning was an
English palaeontologist and
fossil collector. She
became known around
the world for important
finds she made in Jurassic
fossil beds in Dorset.

Forces and magnets

Michael Faraday
(1791-1867)



Michael Faraday was an
English scientist.
In 1831, he discovered
electromagnetic induction.
This was a very important
discovery for the future of
science and technology.

Animals including humans

**Wilhelm Conrad
Röntgen**
(1845-1923)



Wilhelm Röntgen was a
German physicist who
discovered X-rays in 1895.
He was awarded many
honours and won the
Nobel Prize for physics in
1901.

Plants

**Professor
Monique
Simmonds**



Monique Simmonds is the
deputy director of science at
the Royal Botanic Gardens,
Kew. She researches traditional
and commercial uses of plants
and fungi. Her work involves
her promoting plant and fungal-
based solutions to global
challenges.

Light

**Justus von
Liebig**
(1803-1873)



Justus von Liebig was a
German chemist. In 1835
he developed a process
for applying a thin layer of
metallic silver to one side
of a pane of clear glass.
This technique was soon
adapted and improved,
allowing for the mass
production of mirrors.

